

(FILE 'HOME' ENTERED AT 10:40:18 ON 19 AUG 2003)

FILE 'REGISTRY' ENTERED AT 10:40:24 ON 19 AUG 2003

L1           STRUCTURE UPLOADED  
L2           STRUCTURE UPLOADED  
L3           0 S L1 CSS FULL  
L4           0 S L1 FULL  
L5           0 S L2 FULL  
L6           STRUCTURE UPLOADED  
L7           STRUCTURE UPLOADED  
L8           STRUCTURE UPLOADED  
L9           24 S L6 FULL  
L10          0 S L7 FULL  
L11          75 S L8 FULL

FILE 'CAPLUS' ENTERED AT 11:06:59 ON 19 AUG 2003

L12          250825 S MONOMER OR UNSATURATED OR UNSATURATION OR DOUBLE BOND  
L13          16 S L9  
L14          23 S L11  
L15          0 S L12 AND (L13 OR L14)  
L16          133214 S PHOTSENSITIVE OR NEGATIVE OR PHOTORESIST  
L17          5 S L16 AND (L13 OR L14)

FILE 'REGISTRY' ENTERED AT 11:14:13 ON 19 AUG 2003

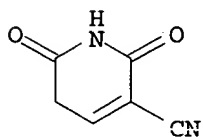
L18           STRUCTURE UPLOADED  
L19          540 S L18 FULL

FILE 'CAPLUS' ENTERED AT 11:14:36 ON 19 AUG 2003

L20          66 S L19  
L21          1 S L12 AND L20  
L22          5 S L16 AND L20  
L23          5 S L22 NOT L21

=>

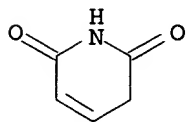
L5 ANSWER 4 OF 5 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 71350-42-0 REGISTRY  
CN 3-Pyridinecarbonitrile, 1,2,5,6-tetrahydro-2,6-dioxo- (9CI) (CA INDEX  
NAME)  
FS 3D CONCORD  
MF C6 H4 N2 O2  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1937 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

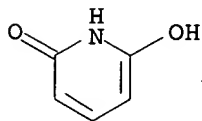
L7 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 117072-54-5 REGISTRY  
CN Glutaconimide, amino- (6CI) (CA INDEX NAME)  
MF C5 H6 N2 O2  
CI IDS  
SR CAOLD  
LC STN Files: CA, CAOLD, CAPLUS



D1-NH<sub>2</sub>

1 REFERENCES IN FILE CA (1937 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L7 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 93121-10-9 REGISTRY  
CN 2(1H)-Pyridinone, 6-hydroxydimethyl- (9CI) (CA INDEX NAME)  
MF C7 H9 N O2  
CI IDS  
LC STN Files: CA, CAPLUS, TOXCENTER



2 ( D1-Me )

1 REFERENCES IN FILE CA (1937 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1937 TO DATE)

=>

L21 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

AN 2000:521376 CAPLUS

DN 133:208257

TI Main-chain syndioregic nonlinear optical polymers. II. Extended  $\pi$  conjugation and improved thermal properties

AU Stenger-Smith, J. D.; Zarras, P.; Hollins, R. A.; Chafin, A. P.; Merwin, L. H.; Yee, R.; Lindsay, G. A.; Herman, W. N.; Gratz, R. F.; Nickel, E. G.

CS Research and Technology Office, Code 4T4200D, NAWCWD, China Lake, CA, 93555, USA

SO Journal of Polymer Science, Part A: Polymer Chemistry (2000), 38(15), 2824-2839

CODEN: JPACEC; ISSN: 0887-624X

PB John Wiley & Sons, Inc.

DT Journal

LA English

AB The synthesis of new main-chain syndioregic nonlinear optical polymers are presented. In particular, the synthesis of polymers with extended  $\pi$  conjugation in the chromophore and chromophores with improved thermal stability are presented. The nonlinear optical coeff. of several of the polymers and the optical loss at 1.3 and 1.55  $\mu\text{m}$  were measured and discussed.

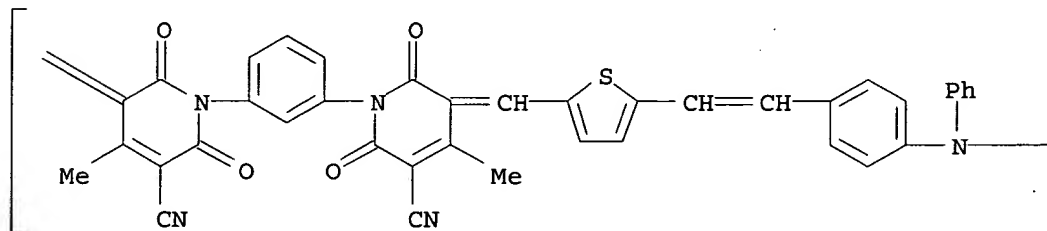
IT 290830-12-5P 290830-13-6P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (prepn. and properties of main-chain syndioregic nonlinear optical polymers with extended  $\pi$  conjugation and improved thermal properties)

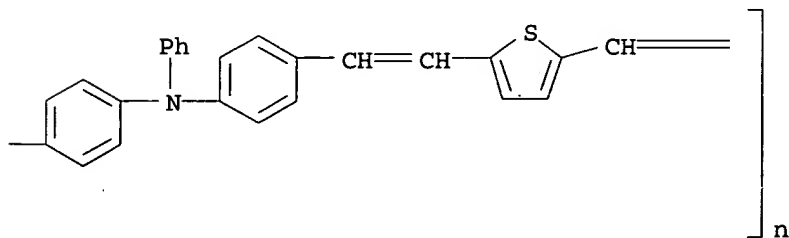
RN 290830-12-5 CAPLUS

CN Poly[(5-cyano-4-methyl-2,6-dioxo-1(2H)-pyridinyl-3(6H)-ylidene)-1,3-phenylene(5-cyano-4-methyl-2,6-dioxo-1(2H)-pyridinyl-3(6H)-ylidene)methylidyne-2,5-thiophenediyl-1,2-ethenediyl-1,4-phenylene(phenylimino)-1,4-phenylene(phenylimino)-1,4-phenylene-1,2-ethenediyl-2,5-thiophenediylmethylidyne] (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

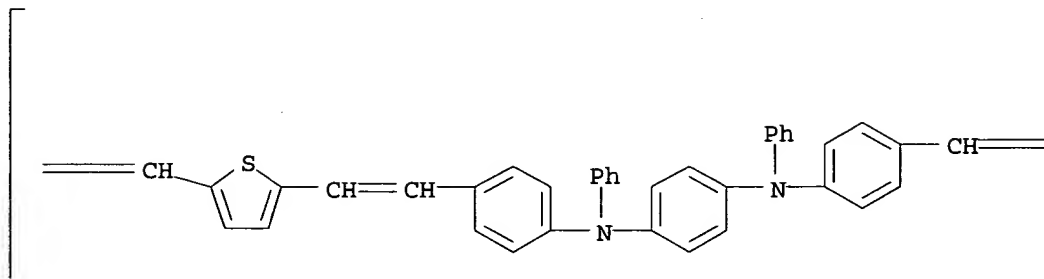


RN 290830-13-6 CAPLUS

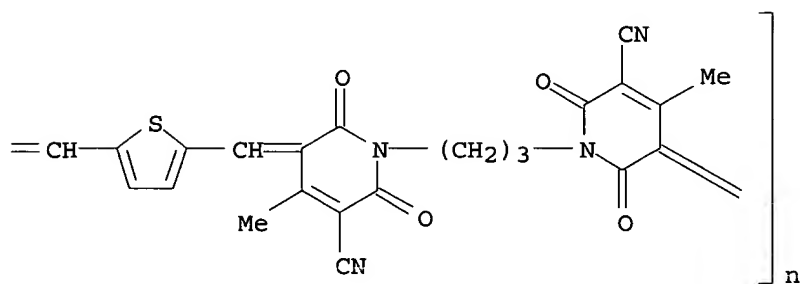
CN Poly[(5-cyano-4-methyl-2,6-dioxo-1(2H)-pyridinyl-3(6H)-ylidene)-1,3-propanediyl(5-cyano-4-methyl-2,6-dioxo-1(2H)-pyridinyl-3(6H)-ylidene)methylidyne-2,5-thiophenediyl-1,2-ethenediyl-1,4-phenylene(phenylimino)-1,4-phenylene(phenylimino)-1,4-phenylene-1,2-

ethenediyl-2,5-thiophenediylmethylidyne] (9CI) (CA INDEX NAME)

PAGE 1-A



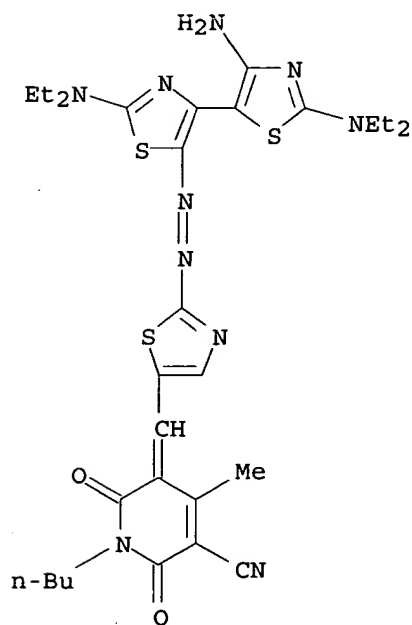
PAGE 1-B



RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

L23 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 2000:281642 CAPLUS  
 DN 133:90719  
 TI **Negative** solvatochromism of azo dyes derived from  
 (dialkylamino)thiazole dimers  
 AU Kim, Jae Joon; Funabiki, Kazumasa; Muramatsu, Hiroshige; Shibata,  
 Katsuyoshi; Matsui, Masaki; Kim, Sung Hoon; Shiozaki, Hisayoshi; Hartmann,  
 Horst  
 CS Dep. Chem., Gifu University, Yanagido, Gifu, 501-1193, Japan  
 SO Chemical Communications (Cambridge) (2000), (9), 753-754  
 CODEN: CHCOFS; ISSN: 1359-7345  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 AB The first examples of neg. solvatochromism in neutral azo dyes contg. both  
 strongly electron-donating bis(dialkylamino)thiazolyl and  
 electron-withdrawing 4-(trifluoromethylsulfonyl)phenyl or 2-thiazolyl  
 moieties are reported.  
 IT 280570-41-4P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (neg. solvatochromism of azo dyes derived from (dialkylamino)thiazole  
 dimers)  
 RN 280570-41-4 CAPLUS  
 CN 3-Pyridinecarbonitrile, 5-[[2-[[4'-amino-2,2'-bis(diethylamino)[4,5'-  
 bithiazol]-5-yl]azo]-5-thiazolyl]methylene]-1-butyl-1,2,5,6-tetrahydro-4-  
 methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L23 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1999:78731 CAPLUS  
 DN 130:175245  
 TI Silver halide photographic material giving high sharpness images  
 IN Suzuki, Hiroshi  
 PA Konica Co., Japan  
 SO Jpn. Kokai Tokkyo Koho, 31 pp.  
 CODEN: JKXXAF

DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11030839	A2	19990202	JP 1997-183841	19970709
PRAI	JP 1997-183841		19970709		

OS MARPAT 130:175245

AB The title material, possessing blue-sensitive, green-sensitive, and red-sensitive layers each of which comprises .gtoreq.2 **photosensitive** layers different in sensitivity from each other on a support, contains a Ag halide emulsion comprising Ag halide grains having an av. AgI content of <7 mol% in which .gtoreq.50% of the total projective area are tabular grains with aspect ratio .gtoreq.3 and the particle diam. distribution of the tabular grains is .ltoreq.20% and .gtoreq.1 dye I [A = acidic nucleus; L1-3 = methine; n = 0-2; X = O, S, Se; R1, R2 = H or (substituted) alkyl, R1 and R2 may link each other to form a ring; R3, R4 = alkyl, .gtoreq.1 of R3 and R4 is an alkyl group substituted for an electron-attracting group having a substituent const., Hammett's .sigma.p value, of .gtoreq.0.3]. The material shows improved gradation stability and sharpness.

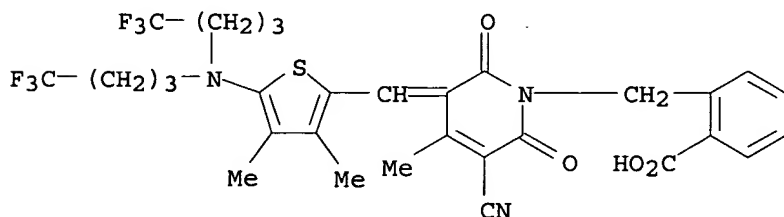
IT 220462-73-7

RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)

(photog. film contg. pyrazolone deriv. dye)

RN 220462-73-7 CAPLUS

CN Benzoic acid, 2-[[3-[[5-[bis(4,4,4-trifluorobutyl)amino]-3,4-dimethyl-2-thienyl]methylene]-5-cyano-3,6-dihydro-4-methyl-2,6-dioxo-1(2H)-pyridinyl]methyl]- (9CI) (CA INDEX NAME)



L23 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1997:664531 CAPLUS

DN 127:364137

TI Silver halide photographic material and processing thereof

IN Sudo, Susumu; Onishi, Akira; Kita, Noriyasu

PA Konica Co., Japan

SO Jpn. Kokai Tokkyo Koho, 48 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09265156	A2	19971007	JP 1996-72281	19960327
PRAI	JP 1996-72281		19960327		

AB Title material having Ag halide emulsion layers and non-**photosensitive** hydrophilic colloid layers on a support, contains a solid fine particle dispersion of a dye (A) I (Za, Zb, Zc = N: or CR2;; R1, R2 = H or monovalent substituent; L1-3 = methine group; B1 = O-contg. 6-membered ring; n = 0 or 1), (B) CG1G2:L1(L2L3)nB1 (G1, G2 = CN, COR3, CONR3R4, OCOR3, SO2R3, SO2NR3R4; R3, R4 = alkyl, aryl, heterocycle, alkenyl; R3 and R4 may link to form a 5 or 6-membered ring), (C)

A:L1(L2L3)nB1 (A = 5-membered ring or polycyclic ring that may contain O, N, and/or S, Q), or (D) A1:L1(L2L3)nB1 (A1 = pyrazolotriazole or acidic nucleus) in .gtoreq.1 of the hydrophilic colloid layers. The materials are processed with developing solns. of pH 9.5-11.0 contg. dihydroxybenzenes as developing agents or ascorbic acid (salt) and/or erythorbic acid (salt), but no hydroquinone. The materials for printing platemaking can be used under safelight and show low residual color stain, high contrast, and good storage stability.

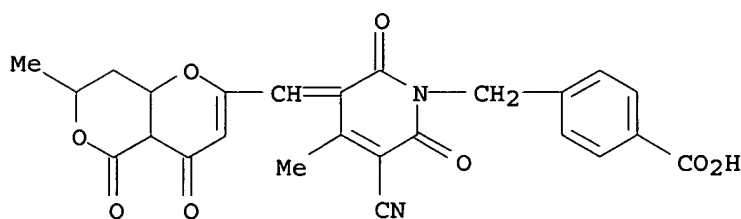
IT 198625-49-9

RL: DEV (Device component use); USES (Uses)

(silver halide photog. material contg. dye fine particles for processing under safelight)

RN 198625-49-9 CAPLUS

CN Benzoic acid, 4-[[5-cyano-3,6-dihydro-4-methyl-2,6-dioxo-3-[(4a,7,8,8a-tetrahydro-7-methyl-4,5-dioxo-4H,5H-pyran[4,3-b]pyran-2-yl)methylene]-1(2H)-pyridinyl]methyl]- (9CI) (CA INDEX NAME)



L23 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1995:354727 CAPLUS

DN 122:174262

TI Silver halide photographic materials

IN Suzuki, Keiichi; Oono, Shigeru

PA Fuji Photo Film Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 25 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06289538	A2	19941018	JP 1993-74233	19930331
PRAI	JP 1993-74233		19930331		

AB The title materials, comprising a support coated with .gtoreq.1 **photosensitive** layer made of a Ag halide emulsion in which the AgCl content is .gtoreq.70 mol% and which contains a transition metal selected from the group V-VIII .gtoreq.1 .times. 10<sup>-7</sup> mol/mol Ag, contain .gtoreq.1 hydrophilic colloid layer contg. a solid dispersion of .gtoreq.1 dye selected from I and II [A = acidic nucleus; L1-3 = methine group; R11-13 = H, alkyl, aryl, OR14, SR14 (R14 = H, alkyl, aryl), halo; X = O, S; n = 0, 1]. The materials can be processed under safelight and show high contrast, and are useful for photomech. process. Thus, a **photosensitive** film was prepd. using a AgCl emulsion layer contg. (NH<sub>4</sub>)<sub>2</sub>Rh(H<sub>2</sub>O)Cl<sub>5</sub> and a protective layer contg. III.

IT 160817-06-1

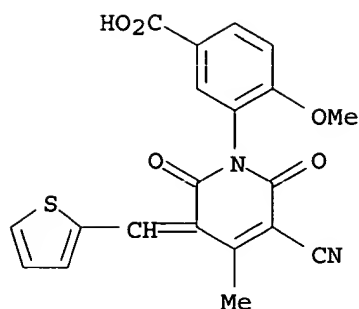
RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)

(photog. film with dye-dispersed hydrophilic colloidal layer)

RN 160817-06-1 CAPLUS

CN Benzoic acid, 3-[5-cyano-3,6-dihydro-4-methyl-2,6-dioxo-3-(2-thienylmethylene)-1(2H)-pyridinyl]-4-methoxy- (9CI) (CA INDEX NAME)





L23 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1994:641668 CAPLUS

DN 121:241668

TI Silver halide photographic materials adaptable to laser exposure

IN Suzuki, Keiichi; Kato, Kazunobu

PA Fuji Photo Film Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 46 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06138575	A2	19940520	JP 1992-312706	19921029
PRAI	JP 1992-312706		19921029		

AB The title materials comprise a support coated with .gtoreq.1 photosensitive layer possessing a chem. sensitized Ag halide emulsion contg. .gtoreq.50 mol% AgCl, spectrally sensitized with a sensitizing dye I [R1, R2 = H, halo, C1-4 alkyl, sulfoalkyl, CF3, CN; R3, R5, R6 = (substituted) alkyl; R4 = sulfoalkyl; this mol. requires a counter ion], and contain in the hydrophilic colloid layers, .gtoreq.1 dispersed fine crystal dye selected from II, III, A:L1 (L2:L3)nA1;; A:(L2L3)2-q:B, and XYC:CHCH:B [A, A1 = acidic nucleus; B = basic nucleus; X, Y = electron-attracting group; R = H, alkyl; R1, R2 = alkyl, aryl, acyl, sulfonyl, R1 and R2 may form a 5- or 6-membered ring; R3, R6 = H, alkyl, OH, CO2H, alkoxy, halo; R4, R5 = H, nonmetal atoms required to form a 5- or 6-membered ring by binding of R1 and R4 or R2 and R5; L1-3 = methine group; m, p = 0, 1; n, q = 0-2, when p = 0 R3 = OH or CO2H, and R4= R5=H; these compds. have .gtoreq.1 dissocg. group showing pKa 4-11 in a 1:1 vol. ratio mixt. of H2O and EtOH in their mol.]. The materials are adaptable to laser exposure and show good safelight property. Thus, a photog. film was prepd. by using a Ag(Br, Cl, I) emulsion (AgCl 80 mol%) contg. I [R1 = R2 = H, R3 = R5 = R6 = Et, R4 = (CH2)3SO3-, counter ion = Na+] and 2 protective layers contg. IV and V resp.

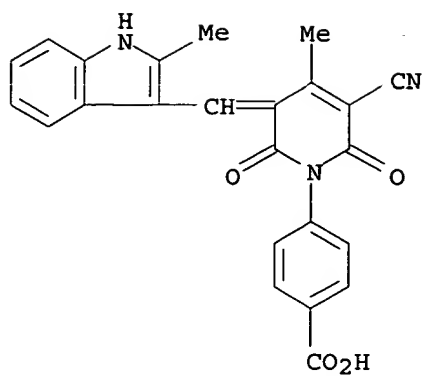
IT 158265-39-5

RL: USES (Uses)

(dye, dispersed in photog. hydrophilic colloid layer, for good safelight property)

RN 158265-39-5 CAPLUS

CN Benzoic acid, 4-[5-cyano-3,6-dihydro-4-methyl-3-[(2-methyl-1H-indol-3-yl)methylene]-2,6-dioxo-1(2H)-pyridinyl]- (9CI) (CA INDEX NAME)



=>